

Aiden Fine

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Skills

- Python | TypeScript | RESTful Services | React | AWS DynamoDB | AWS S3 | Java | NoSQL | SQL

Experience

Software Engineer

Streametric

Raleigh, NC, USA

05/2024- Current

- Architected and deployed a scalable microservice on AWS allowing users to design and customize their application with custom colors and logos. This was created with Fast API, S3, DynamoDB.
- Developed a real-time weather tracking system that worked with our data service layer to detect and anticipate outliers, improving data accuracy and securing a \$300,000 contract
- Led a team to implement full unit testing coverage in our backend and implement it into our CI/CD using pytest. Meeting our goal of total covered code. While ensuring test quality by tracking and resolving flaky tests.

Software Engineer Intern

Streametric

Raleigh, NC, USA

05/2022 - 05/2024

- Deployed and developed a user tracking system utilizing an API to capture and analyze user data, allowing our product manager to set focus on features that were used the most.
- Designed an internal tool to allow our team to gather uptime % of our devices on customer sites. Team members would receive a weekly or daily report of all the user's uptime %.
- Optimized frontend reducing endpoint calls by 50% through caching, minimizing re-renders, and state management. Improving performance, reducing server load and costs

Education

Associates of Science

Wake Tech

Raleigh, NC, USA

08/2021 – 01/2025

- A's in all my computer science classes.

Projects

Social Network Graph – Python

[Code](#)

- Created a mock social graph used for social media friend recommendation platform. With a simple GUI and documentation on how to use library.
- The algorithm would base a weight on how likely 2 people would be friends based on the mutual friends and some other factors like age gender etc.

DataMind – React TS

[Code](#)

- Created an all-in-one AI tool platform that utilizes generative AI. The tools are any form of media generation (video, image, mp3) and text generation.
- Built as a SAAS site has authentication, stripe monthly payments, and a limited free tier. Users can also run locally for free.

HDContracting – React TS

- Full stack project management application built specifically for local business near me. Uses react js and express js
- Uses NoSQL database to store all project statuses, customer information, user information.

Tutoring

- **Math Tutor:** Helped students with algebra, calculus and SAT prep.
- **Programming Tutor:** Self-employed programming tutor helping kids/teens learn the basics of computer science/programming.

Others

- **National Honor Society:** Nominated for the National Honor Society at Wake Tech

(01/2023)